CLINICAL AND EXPERIMENTAL **IMMUNOLOGY**

AN OFFICIAL JOURNAL OF THE BRITISH SOCIETY FOR IMMUNOLOGY

Editor

J. L. TURK

Editorial Board

B. ALBINI	K. F. AUSTEN
R. W. BALDWIN	R. St. C. BARNETSON
G. F. BOTTAZZO	J. BROSTOFF
G. A. CURRIE	A. M. DENMAN
J. M. DWYER	F. C. HAY
E. J. HOLBOROW	G. HOLM
A. B. KAY	P. H. LAMBERT
R. J. LEVINSKY	N. R. LING
I. R. MACKAY	J. MOWBRAY
D. M. V. PARROTT	P. Y. PATERSON
J. H. L. PLAYFAIR	M. REICHLIN
R. A. THOMPSON	M. W. TURNER
A. D. B. WEBSTER	P. C. WILKINSON

J. F. BACH M. C. BERENBAUM D. L. BROWN D. DUMONDE W. HIJMANS G. JANOSSY T. LEHNER P. M. LYDYARD W. E. PARISH T. A. E. PLATTS-MILLS J. F. SOOTHILL R. VAN FURTH R. WILLIAMS

VOLUME 44

Pages 1-662

BLACKWELL SCIENTIFIC PUBLICATIONS OXFORD LONDON EDINBURGH BOSTON MELBOURNE

PRINTED IN GREAT BRITAIN AT THE ALDEN PRESS, OXFORD

CONTENTS

VOLUME 44 · NUMBER 1 · APRIL 1981

M. REICHLIN: Current perspectives on serological reactions in SLE patients H. A. M. VERHEUL, W. H. STIMSON, F. C. DEN HOLLANDER & A. H. W. M. SCHUURS: The	1
effects of nandrolone, testosterone and their decanoate esters on murine lupus U. H. Rudofsky: Murine lupus nephritis is accelerated by anti-glomerular basement	11
membrane autoantibodies E. A. GOIDL, MARY ANN MICHELIS, G. W. SISKIND & M. E. WEKSLER: Effect of age on the	18
induction of autoantibodies	24
C. GLUUD, U. TAGE-JENSEN, M. BAHNSEN, O. DIETRICHSON & A. SVEJGAARD: Autoantibodies, histocompatibility antigens and testosterone in males with alcoholic liver cirrhosis A. J. CUNNINGHAM & E. J. STEELE: Ontogeny of the autoimmune reaction in normal mice to	31
antigens in erythrocytes and gut S. Kahane, A. Dvilansky, L. Estok, I. Nathan, Z. Zolotov & I. Sarov: Detection of	38
anti-platelet antibodies in patients with idiopathic thrombocytopenic purpura (ITP) and in patients with rubella and herpes group viral infections	49
MARJORIE A. MONNICKENDAM, S. DAROUGAR & ANGELA M. TILBURY: Ocular and dermal delayed hypersensitivity reactions in guinea-pigs following infection with guinea-pig inclusion conjunctivitis agent (<i>Chlamydia psittaci</i>)	57
Y. LEVO, D. SHOUVAL, R. TUR-KASPA, S. WOLLNER, S. PENCHAS, Z. ZLOTNICK & M. ELIAKIM:	
Immunological evaluation of asymptomatic carriers of hepatitis B virus PREMAVATHY RAJAGOPALAN, R. KUMAR & A. N. MALAVIYA: Immunological studies in typhoid fever. I. Immunoglobulins, C3, antibodies, rheumatoid factor and circulating	63
immune complexes in patients with typhoid fever Jana S. McBride & H. S. Micklem: Immunodepression of thymus-independent response to	68
dextran in mouse malaria B. Van Camp, Ph. Reynaert & L. Broodtaerts: Studies on the origin of the precursor cells in multiple myeloma, Waldenström's macroglobulinaemia and benign monoclonal gammopathy. I. Cytoplasmic isotype and idiotype distribution in peripheral blood and	74
bone marrow	82
GEORGINA SMITH: Maternal regulator cells during murine pregnancy	90
R. L. Whisler & Yvonne Newhouse: Amplification and suppression of human T cell proliferative responses by alloactivated T cells	100
H. R. GAUMER, N. J. DOLL, J. KAIMAL, M. SCHUYLER & J. E. SALVAGGIO: Diminished suppressor cell function in patients with asbestosis M. Y. GORDON, J. A. KING & E. C. GORDON-SMITH: Abnormal adherent cell function in	108
aplastic anaemia demonstrated using levamisole in cultures for T lymphocyte colony-forming cells (TL-CFC)	117
M. N. Zafar, S. Pittman, M. Cherchi & D. Catovsky: Stimulation of chronic lymphatic leukaemia cells by pokeweed mitogen after treatment with neuraminidase-galactose	117
oxidase	124
D. A. COOPER, MARGARET DUCKETT, PRUDENCE HANSEN, VALERIE PETTS & R. PENNY: Glucocorticosteroid enhancement of immunoglobulin synthesis by pokeweed mitogen- stimulated human lymphocytes. II. T lymphocyte independence	129
J. BERTOGLIO, D. GERLIER & J. P. GERARD: Cultured T lymphocytes cytotoxic for a syngeneic	
lymphoma: derivation in Con A-conditioned medium and in vivo activity N. ABUAF, F. LEYNADIER, H. LUCE & J. DRY: Haemoglobin content of multilayer E rosettes is	137
a parameter of activated human T lymphocytes	145
A. SHORE, HM. DOSCH & E. W. GELFAND: Role of adenosine deaminase in the early stages of	1.00
precursor T cell maturation	152
T. V. SHANKEY, R. P. DANIELE & P. C. NOWELL: Kinetics of mitogen-induced proliferation and differentiation of human peripheral blood B lymphocytes	156

Volume Contents

T. R. ANDERSSON & J.-L. SVENNEVIG: Which Fc receptor-bearing cells are detected with the Ripley assay? F. LEYVA-COBIÁN, I. MONEO, F. MAMPASO, M. SÁNCHEZ-BAYLE, J. L. ECUA & A. BOOTELLO: Familial C1q deficiency associated with renal and cutaneous disease 173 G. CSÁKÓ, EVA A. SUBA & A. HERP: Similarities and dissimilarities between the binding ability of Clq and collagen 181 R. HÄLLGREN: Kinetic studies of the association of complement components and IgG-coated latex particles incubated in normal or complement-activated human serum 191 C. S. Scott: Maturation-linked expression of C3b and C3b' receptors on developing human bone marrow and peripheral blood granulocytes 201 GERALDINE CAMBRIDGE & C. M. M. STERN: The uptake of tritium-labelled carnitine by monolayer cultures of human fetal muscle and its potential as a label in cytotoxicity studies 211 VOLUME 44 · NUMBER 2 · MAY 1981 P. Brandtzaeg: Transport models for secretory IgA and secretory IgM 221 H. SCOTT, P. BRANDTZAEG, B. G. SOLHEIM & E. THORSBY: Relation between HLA-DR-like antigens and secretory component (SC) in jejunal epithelium of patients with coeliac disease or dermatitis herpetiformis 233 MARIANNE HOKLAND, B. LARSEN, I. HERON & T. PLESNER: Corticosteroids decrease the expression of β_2 -microglobulin and histocompatibility antigens on human peripheral blood lymphocytes in vitro 239 LE HOANG PHUC, MARTINE PAPIERNIK, SONIA BERRIH & DOMINIOUE DUVAL: Thymic involution in pregnant mice. I. Characterization of the remaining thymocyte subpopulations 247 LE HOANG PHUC, MARTINE PAPIERNIK & MIREILLE DARDENNE: Thymic involution in pregnant mice. II. Functional aspects of the remaining thymocytes 253 A. MORETTA, M. COLOMBATTI & B. CHAPUIS: Human spleen as a source of T cell growth factor 262 F. JONCOURT, F. KRISTENSEN & A. L. DE WECK: Ageing and immunity in outbred NMRI mice: lack of correlation between age-related decline of the response to T cell mitogens, the antibody response to a T-dependent antigen and lifespan in outbred NMRI mice 270 S. N. CHEN & R. J. DUQUESNOY: Increased radiosensitivity of stimulator cells in the human mixed leucocyte culture reaction and the secondary response of primed lymphocytes 278 D. GORDON & A. M. E. NOURI: Comparison of the inhibition by glucocorticoids and cyclosporin A of mitogen-stimulated human lymphocyte proliferation 287 A. THERON, R. ANDERSON, G. GRABOW & J. L. MEIRING: In vitro and in vivo stimulation of neutrophil migration and lymphocyte transformation by thiamine related to inhibition of the peroxidase/H2O2/halide system 295 P. D. ZALEWSKI, I. J. FORBES, G. UHLENBRUCK & LEANNE VALENTE: B lymphocyte specificity of lectins of Cepaea nemoralis and Dolichos biflorus: paradoxical binding of anti-A active lectins to human lymphocyte subclasses 304 M. KUBOTA & H. MIKAWA: Rosette-increasing factor (RIF) generated in vivo following PHA skin test 315 R. J. WARRINGTON, SHERRI L. OLIVIER, PATRICIA J. SAUDER & W. J. RUTHERFORD: Production of migration inhibition factor (MIF) by purified human T cell subpopulations 324 M. R. POTTER & M. MOORE: In vitro augmentation of human natural cytotoxic activity 332 J. D. BERMAN & D. M. DWYER: Expression of Leishmania antigen on the surface membrane of infected human macrophages in vitro 342

R. RIBEIRO DOS SANTOS & L. HUDSON: Denervation and the immune response in mice infected

B. HURTREL & P. H. LAGRANGE: Comparative effects of carrageenan on systemic candidiasis

349

355

with Trypanosoma cruzi

and listeriosis in mice

Volume Contents

M. D'ALMEIDA, M. LEFROIT-JOLIY & G. A. VOISIN: Studies on human spermatozoa autoantigens. I. Fractionation of sperm membrane antigens: evidence of three antigenic systems 359 S. S. WITKIN, G. ZELIKOVSKY, R. A. GOOD & NOORBIBI K. DAY: Demonstration of 11S IgA antibody to spermatozoa in human seminal fluid 368 E. J. E. G. BAST, B. VAN CAMP, SASKIA E. BOOM, F. C. A. JASPERS & R. E. BALLIEUX: Differentiation between benign and malignant monoclonal gammopathy by the presence of the J chain 375 T. A. E. PLATTS-MILLS, G. C. DE GAST, A. D. B. WEBSTER, G. L. ASHERSON & SUSAN R. WILKINS: Two immunologically distinct forms of late-onset hypogammaglobulinaemia 383 D. N. McMurray & H. Rey: Immunological sequelae of intrauterine infection 389 J. R. WANDS, J. L. DIENSTAG, J. R. WEAKE & R. S. KOFF: In vitro studies of enhanced IgG synthesis in severe alcoholic liver disease 396 ANGELA C. HORSFALL, P. J. W. VENABLES, PAT A. MUMFORD & R. N. MAINI: Interpretation of the Raji cell assay in sera containing anti-nuclear antibodies and immune complexes 405 M. E. MEDOF, D. SCARBOROUGH & G. MILLER: Ability of complement to release systemic lupus erythematosus immune complexes from cell receptors 416 CLAIRE-MICHÈLE FARBER, C. L. CAMBIASO & P. L. MASSON: Immune complexes in cord serum: influence of sex, gestational age, and Rh-blood group-possible predictive value of high levels for early postnatal infections 426 SUSAN LAWRENCE, C. M. LOCKWOOD & D. K. PETERS: Studies on NEM-treated erythrocyte

VOLUME 44 · NUMBER 3 · JUNE 1981

clearance in the rabbit with special reference to the effects of circulating immune complexes

L. BAECHER-STEPPAN & N. ISAACSON KERKYLIET: The haemolytic antibody isotope release (HAIR) assay: an efficient alternative technique to conventional plaque assays

433

440

528

A. Rees, M. Feldmann, J. N. Woody & P. Erb: Genetics of human T cell-monocyte interaction in helper cell induction	445
W. S. Selby, G. Janossy, G. Goldstein & D. P. Jewell: T lymphocyte subsets in human	
intestinal mucosa: the distribution and relationship to MHC-derived antigens	453
Т. Kashio, R. Hotta & S. Kakumu: Lymphocyte suppressor cell activity in acute and chronic	
liver disease	459
D. G. HAEGERT: Human peripheral blood T lymphocytes express α-, μ- and F(ab') ₂ -related determinants in their surface membranes	467
F. HOFMAN, K. FOON, D. SMITH, J. KRANSLER, J. CICCIARELLI & R. BILLING: Functional	407
properties of subsets of T lymphocytes defined by specific antigens	476
J. C. WULFF, H. HELD, H. K. MUELLER-HERMELINK & M. SCHLAAK: Purification and	
characterization of human bone marrow lymphocyte subpopulations: evidence for the	
existence of an alloreactive immature T cell	485
MARIE-ANNE BACH, LUCIENNE CHATENOUD, D. WALLACH, FRANÇOISE PHAN DINH TUY & F.	
COTTENOT: Studies on T cell subsets and functions in leprosy	491
A. H. M. SMELT, R. J. W. REES & F. Y. LIEW: Induction of delayed-type hypersensitivity to	
Mycobacterium leprae in healthy individuals	501
A. H. M. SMELT, R. J. W. REES & F. Y. LIEW: Failure to induce delayed-type hypersensitivity	
to Mycobacterium leprae in long-term treated lepromatous leprosy patients	507
VALERIE E. JONES, R. K. JACOBY, T. WALLINGTON & P. HOLT: Immune complexes in early	
arthritis. I. Detection of immune complexes before rheumatoid arthritis is definite	512
G. VALESINI, M. PICARDO, R. PASTORE, P. PIVETTI & U. SERAFINI: Circulating immune	
complexes in Behçet's syndrome: purification, characterization and cross-reactivity studies	522
M. C. Reinhardt, Madeleine Devey, M. Collins, B. Gregory & M. W. Steward: The	
effect of protein deficiency on the development of chronic antigen-antibody complex	

disease in mice

Volume Contents

vi Volume Contents	
Y. Hashimoto & E. R. Hurd: Human neutrophil aggregation and increased adherence to human endothelial cells induced by heat-aggregated IgG and immune complexes P. Tan, G. Pang & J. D. Wilson: Immunoglobulin production in vitro by peripheral blood	538
lymphocytes in systemic lupus erythematosus: helper T cell defect and B cell hyperreactivity В. Н. Тон & I. R. Маскау: Autoantibody to a novel neuronal antigen in systemic lupus	548
erythematosus and in normal human sera	555
J. J. MCPHAUL, JR & W. R. MONTGOMERY: Cryoimmunoglobulinaemia in patients with rena disease. II. Attempts to demonstrate that cryoprecipitates contain autoantibodies and/or	r
antigen	560
M. DE ALMEIDA & P. JOUANNET: Dexamethasone therapy of infertile men with sperm autoantibodies: immunological and sperm follow-up	567
A. B. KAY, PATRICIA DIAZ, J. CARMICHAEL & I. W. B. GRANT: Corticosteroid-resistan	
chronic asthma and monocyte complement receptors	576
LESLEY M. SMART & A. B. KAY: Histamine receptors on human peripheral blood leucocyte P. L. HASLAM, O. CROMWELL, A. DEWAR & M. TURNER-WARWICK: Evidence of increased	
histamine levels in lung lavage fluids from patients with cryptogenic fibrosing alveolis W. S. NG, M. H. NG, M. INOUE & Y. H. TAN: Kinetics of human immune interferor	587
production and blastogenesis	594
J. S. GREENSPAN, N. GADOL, J. A. OLSON & N. TALAL: Antibody-dependent cellula	r
cytotoxicity in recurrent aphthous ulceration	603
P. H. GROHMANN, F. PORZSOLT, I. QUIRT, R. G. MILLER & R. A. PHILLIPS: Stimulation o human NK cell activity by cultured cells. II. Ingestion of aspirin by blood donor	S
suppresses induced NK activity	611
M. FISCHBACH, P. VOLBERDING, N. TALAL & J. LEVY: Genetic analysis of induction o anti-polyadenylic acid antibodies and xenotropic type-C viruses	f 615
G. LAURENT, G. DELSOL, F. REYES, M. ABBAL & E. MIHAESCO: Detection of J chain in	1
lymphomas and related disorders	620
J. Bray & T. A. McPherson: Fc receptor-bearing peripheral blood mononuclear cells in breast cancer patients: a possible marker of tumour burden and prognosis	629
MARLENE A. ALDO-BENSON, B. H. PETERSEN & M. D. BENSON: Suppression of in vitre antibody response of human peripheral blood lymphocytes by a heat-labile factor in	n
normal human serum	638
J. E. NAGEL, F. J. CHREST & W. H. ADLER: Human B cell function in normal individuals of various ages. I. In vitro enumeration of pokeweed-induced peripheral blood lymphocyt immunoglobulin-synthesizing cells and the comparison of the results with numbers of	e f
peripheral B and T cells, mitogen responses, and levels of serum immunoglobulins	646
FORTHCOMING MEETING	654

655

AUTHOR AND SUBJECT INDEXES TO VOLUME 44

